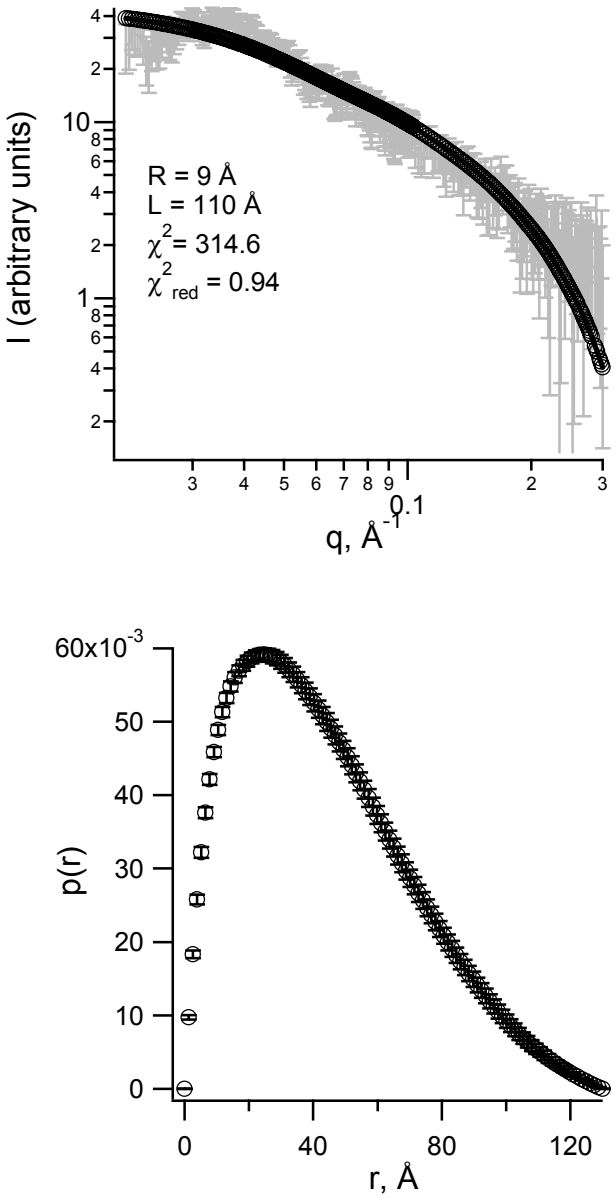

Figure 1S. Small-angle X-Ray Scattering Data of 20 k MW poly-L-lysine (5 mg/ml) at pH 11.2. Top: SAXS data and full profile fitting. Parameters for fit given in figure. Bottom: pair distance distribution function determined from the experimental data (using program GNOM).

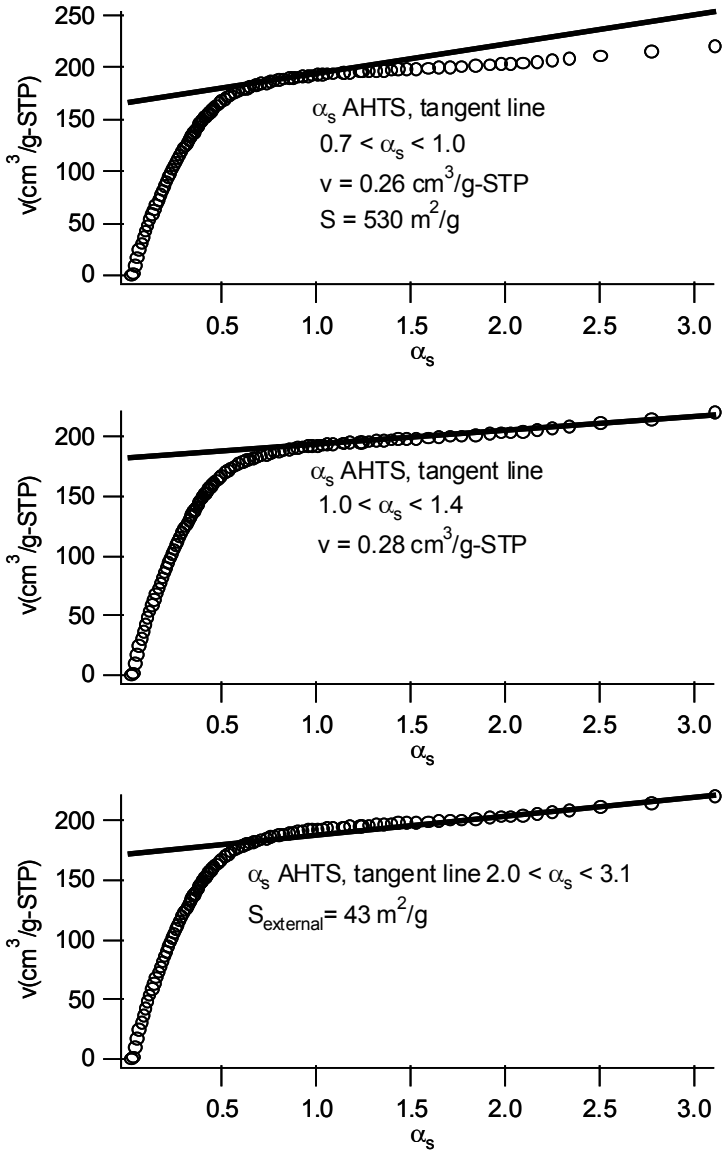

Figure 2S. α_s-plots of AHTS.

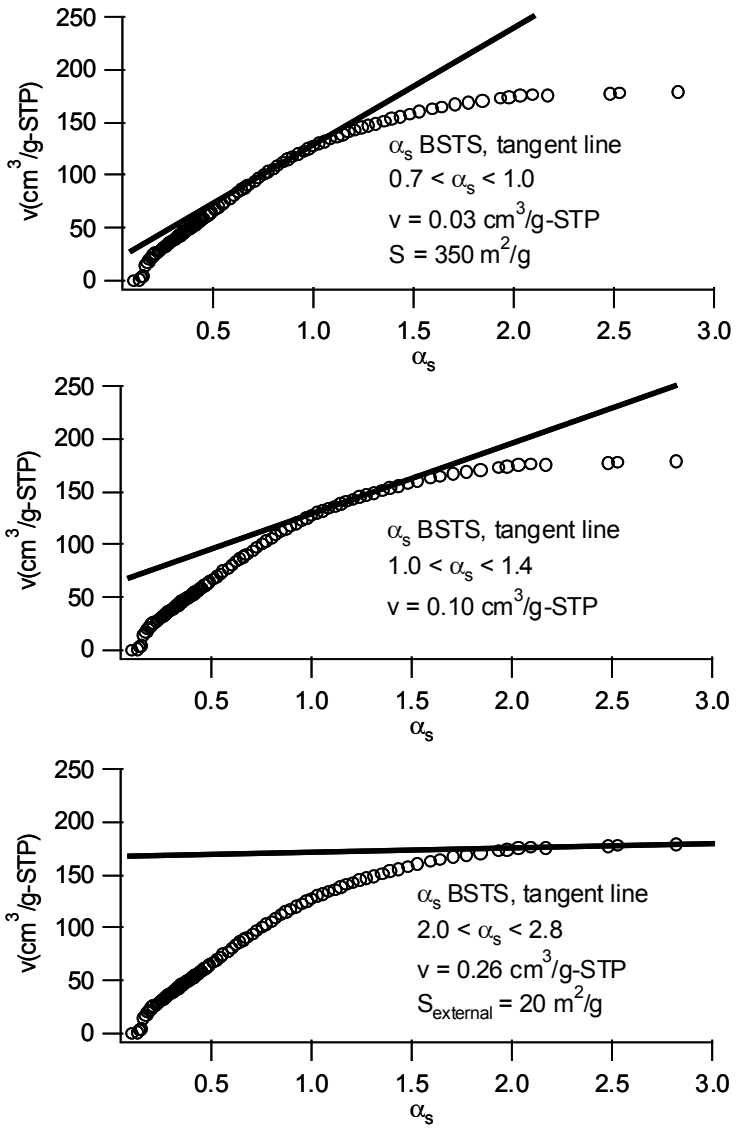

Figure 3S. α_s-plots of BSTS.

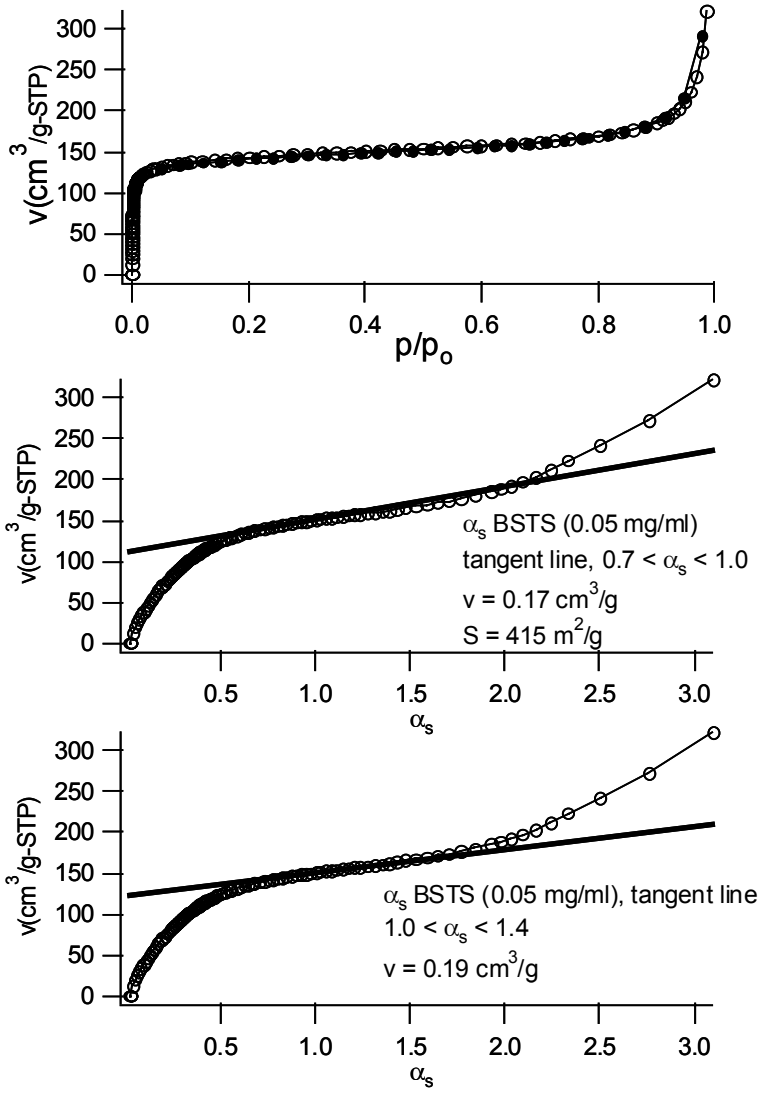

Figure 4S. N_2 adsorption isotherm and α_s-plots of BSTS made with a low PLL content (0.05 mg/ml).

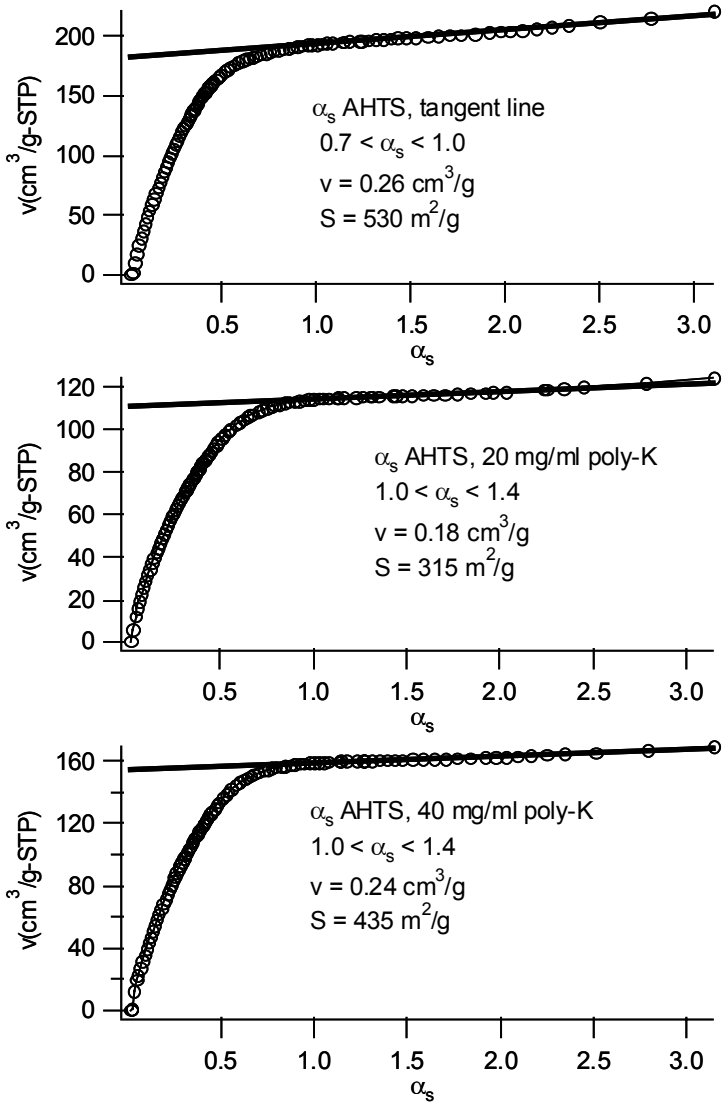

Figure 5S. α_s-plots of AHTS samples made with various PLL concentrations.

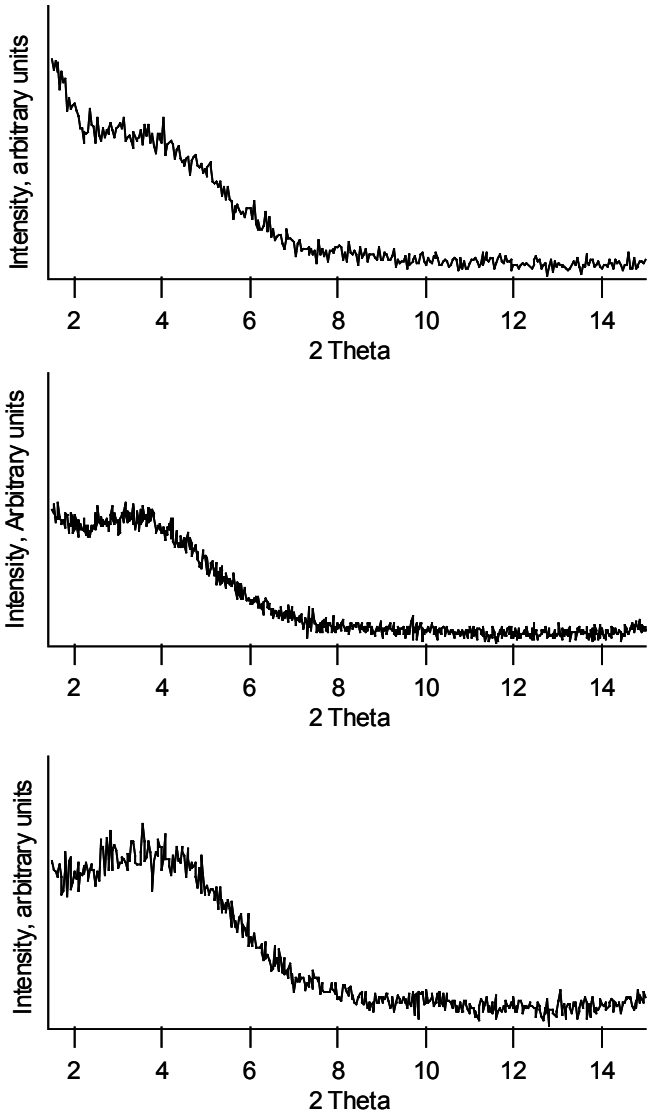

Figure 6S. Powder x-ray diffraction patterns of (from top to bottom) calcined AHTS synthesized with 0.5, 20, and 40 mg/ml of poly-L-lysine HBr. Intensity observed below 2 degrees two theta in top diffractogram is due to the incident beam.

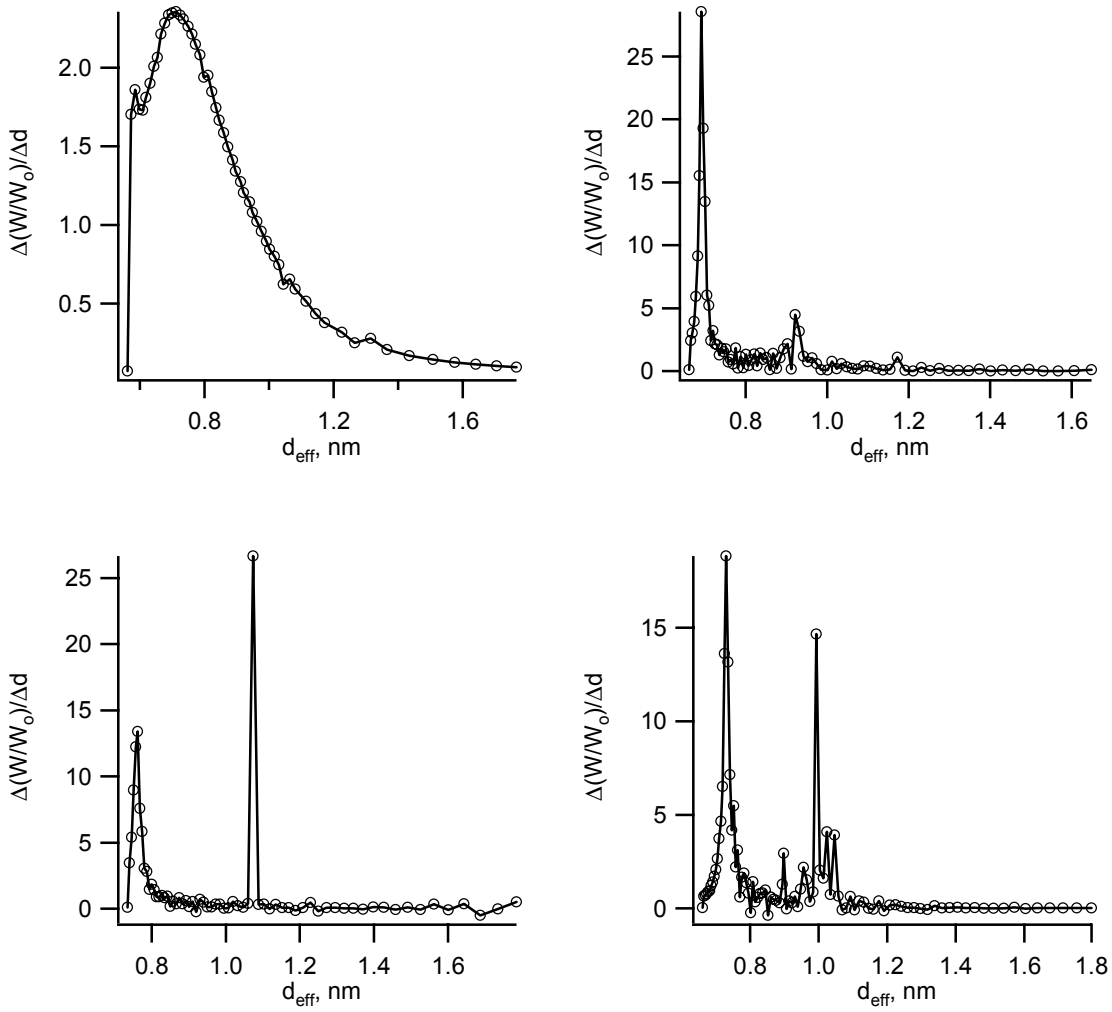

Figure 7S. Horvath Kawazoe pore size distributions calculated from (clockwise from top left) Ar adsorption data on AHTS, GCMC simulations of: 1.3 nm diameter pore, 1.5 nm diameter pore, and 1.7 nm diameter pore.

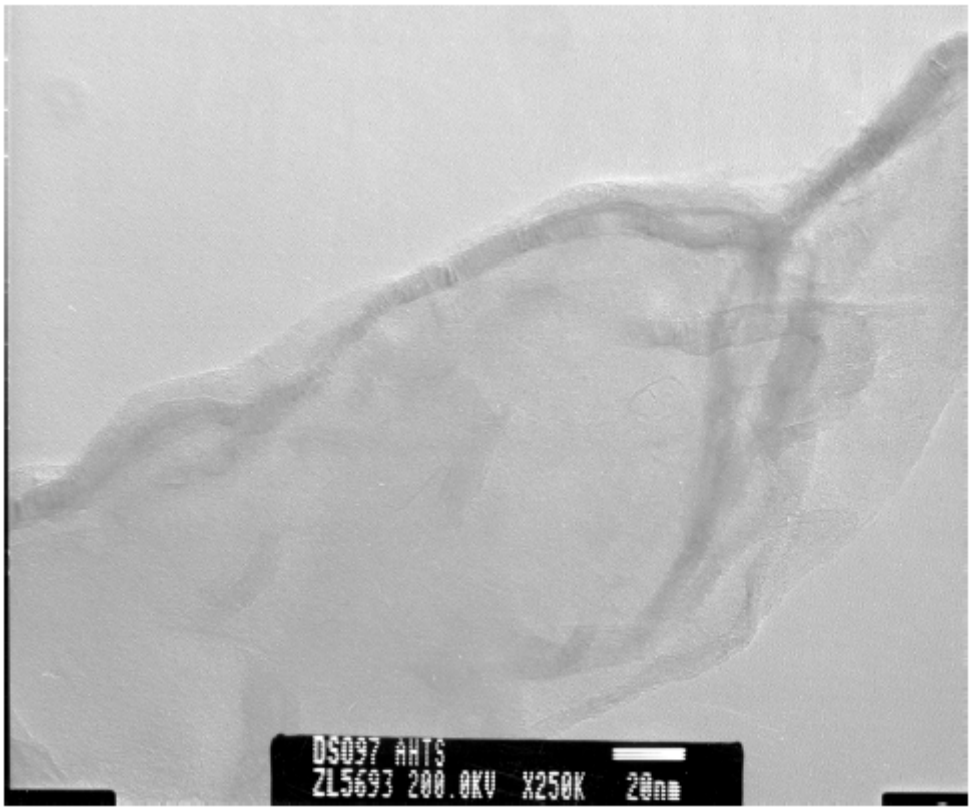

Figure 8S. TEM image of AHTS. Scale bar is 20 nm.